



Atty. Dkt. No. 044499-0207

DP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kotaro NAKAMURA et al.

Title: MAXIMUM POWER FOLLOW-  
UP CONTROL APPARATUS

Appl. No.: 10/796,290

Filing Date: 03/10/2004

Examiner: Unassigned

Art Unit: 2838

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

The PTO did not receive the following  
listed Items(s) FOR

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

**RELEVANCE OF EACH DOCUMENT**

The foregoing document was cited by the examiner in Applicants' corresponding European application. A copy of the European Search Report setting the portion of each reference considered relevant by the examiner is attached.

Copies of Documents C1-C4 are not being provided, as these documents were made of record in Applicants' Information Disclosure Statement submitted for the Examiner's consideration on September 22, 2004.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

even entirely missing, the Commissioner is authorized to charge the unpaid amount to  
Deposit Account No. 19-0741.

Respectfully submitted,

By \_\_\_\_\_



Date: December 23, 2004

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5485  
Facsimile: (202) 672-5399

William T. Ellis  
Attorney for Applicant  
Registration No. 26,874

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTDate Submitted: December 23, 2004  
(use as many sheets as necessary)

1 of 1

## Complete if Known

Application Number	10/796,290
Filing Date	03/10/2004
First Named Inventor	Kotaro NAKAMURA et al.
Group Art Unit	2838
Examiner Name	Unknown
Attorney Docket Number	044499-0207

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
C1	5,892,354			Nagao et al.	04/06/1999	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear.	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
C2	WO	03/012569		A1	Stichting Energieonderzoek Centrum Nederland	02/13/2003		
C3	EP	0 947 904		A2	Sanyo Electric Co., Ltd.	10/06/1999		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
C4		Patent Abstracts of Japan, JP 08/123561, 05/17/1996, abstract only.	
C5		J. FOX, "SAS Textbook Examples: Applied Regression Analysis" Online! August 17, 2000, URL: <a href="http://web.archive.org/web/20000817051835/http://www.ats.ucla.edu/stat/sas/examples/ara/arasa2.htm">http://web.archive.org/web/20000817051835/http://www.ats.ucla.edu/stat/sas/examples/ara/arasa2.htm</a> , XP002296821.	
C6		F. HOTI, "Kernel Regression via Binned Data," Online! February 1, 2001, URL: <a href="http://www.rni.helsinki.fi/fjh/lisuri.pdf">http://www.rni.helsinki.fi/fjh/lisuri.pdf</a> , XP002296820	
C7		De MEDEIROS TORRES, et al., "An Artificial Neural Network-Based Real Time Maximum Power Tracking Controller for Connecting a PV System to the Grid," Industrial Electronics Soc, 1998, Conf. of IEEE, pp. 554-558, XP010308158	
C8		N. PATCHARAPRAKITI et al., "Maximum Power Point Tracking Using Adaptive Fuzzy Logic Control for Grid-Connected Photovoltaic System," 2002 IEEE Power Eng. Soc. Proceedings, pp. 372-377.	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.